

## TIZANIDINE HYDROCHLORIDE PREPARATION

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### Abstract of JP9249562

PROBLEM TO BE SOLVED: To obtain a tizanidine hydrochloride preparation, free from yellowing by compounding tizanidine hydrochloride and adjusting the pH of the preparation in a specific range.

SOLUTION: This tizanidine hydrochloride preparation is obtained by adequately compounding tizanidine hydrochloride with commonly used additives such as a vehicle, a lubricant, a flavoring agent, a binder and a disintegrant, and formulating the resultant mixture into tablets, capsules, granules, powder, etc. In the formulation process, the pH of the preparation is adjusted to <=5.5, preferably into the range of 5.4-2.2 by adding an organic acid such as citric acid or tartaric acid or an inorganic acid such as sodium dihydrogenphosphate as an acidic additive. The obtained tizanidine hydrochloride preparation is prevented from yellowing without using a compound having extremely high molecular weight such as pullulan or gum arabic. Tizanidine hydrochloride is known as a centrally acting muscle relaxant having  $\alpha$ -rigidity and  $\gamma$ -rigidity suppressing activities, polysynaptic reflex suppressing activity, antinociceptive property, etc., and useful for the treatment of myotonic pain and cerebral-spinal spastic disease.

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